

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number : unassigned
Applicant : Ruey J. YU, et al.
Filed : March 30, 2004
Title : OLIGOSACCHARIDE ALDONIC ACIDS AND THEIR TOPICAL
USE
TC/Art Unit :
Examiner: :

Docket No. : 59210.000052
Customer No. : **21967**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants respectfully request consideration of the references listed on the attached Form PTO-1449 identifying all of the documents cited by Applicants and the PTO in the parent application. Per Rule 98(d) copies of those documents are not required now.

Applicants respectfully request that the Examiner consider the references cited on the PTO-1449 and that the Examiner indicate that the references have been considered in this application by returning a copy of the Form PTO-1449 with the Examiner's initials in the left column per MPEP 609.

If any additional fees are necessitated by the filing of this Information Disclosure Statement, please charge the undersigned's Deposit Account No. 50-0206.

Respectfully submitted,

HUNTON & WILLIAMS LLP

Dated: 3/30, 2004

By:



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 5

Complete if Known

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First Named Inventor	Ruey J. YU
Group Art Unit	
Examiner Name	
Attorney Docket Number	59210.000052

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		1,772,975		Wieland	08/12/1930	
		2,118,566		De Wayne	05/24/1938	
		3,227,616		Van Wessem et al.	01/04/1966	
		3,666,863		Swanback	05/30/1972	
		3,689,668		Piette	09/05/1972	
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		3,879,537		Van Scott et al.	04/22/1975	
		3,920,835		Van Scott et al.	11/18/1975	
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		3,991,184		Kludas et al.	11/09/1976	
		4,021,572		Van Scott et al.	05/03/1977	
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		4,363,815		Yu et al.	12/14/1982	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		AU	64,399			07/1975		
		DE	2,517,413		Juhlin et al.	11/13/1975		
		DE	3,540,175		Franke	05/21/1987		
		EP	007,785		Alderson et al.	02/06/1980		
		EP	086,070		Barratt et al.	08/17/1983		
		EP	273,202		Van Scott	06/07/1988		
		EP	413,528		Yu	02/20/1991		
		EP	508,324		Yu, et al.	10/14/1992		
		GB	1,316,971		Hayashibara Co.	05/16/1973		

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		4,507,319		Barrett et al.	03/26/1985	
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		5,108,751		Hagan et al.	04/28/1992	
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		GB	1,337,408		Hayashibara Co.	11/14/1973		
		ZA	752,066			04/1975		
		WO	96/40047		Yu, et al.	12/19/1996		

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		Hunt <i>et al.</i> , Anaerobic Metabolism and Wound Healing: An Hypothesis for the Initiation and Cessation of Collagen Syntheses in Wounds, <i>The American Journal of Surgery</i> , March 1978, pp. 328-332	
		Comstock <i>et al.</i> , Effect of Lactate on Collagen Proline Hydroxylase Activity in Cultured L-929 Fibroblasts; <i>National Academy of Sciences</i> , Vol. 66, No. 2, pp. 552-557, June 1970.	
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		Stem, E.C., Topical Application of Lactic Acid in the Treatment and Prevention of Certain Disorders of the Skin, <i>The Urologic and Cutaneous Review</i> , Vol. 50, No. 2, pp. 106-7 (1946)	
		Darr, D., Topical Vitamin C Protects the Skin from Ultraviolet Radiation-Induced Damage, <i>British Journal of Dermatology</i> , Vol. 127, pp. 247-53 (1992)	

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		Aggarwal, R.R., <i>et al.</i> , A Clinical Trial with Cotaryl Cream in Hyperkerototic Skin Conditions, <i>Indian J. Dermatol. Venerbol.</i> , Vol. 45, No. 6, pp. 442-444	
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		Fredriksson, T. <i>et al.</i> , Urea Creams in the Treatment of Dry Skin and Hand Dermatitis, <i>Pharmacology and Therapeutics</i> , pp. 442-44 (1975)	
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		Comstock, <i>et al.</i> , "Effect of Lactate on Collagen Proline . . .", <i>Proceedings of the National Academy of Science</i> , 66: No. 2, pp. 552-57 (1970).	
		Terry <i>et al.</i> , "Implications of Heavy Chain Disease . . .", <i>Proceedings of the National Academy of Science</i> , 66: No. 2, pp. 558-63 (1970).	
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		Irwin <i>et al.</i> , Calculation of Immobilized Glucose Oxidase Bimolecular Reaction Progress Curves Utilizing a Nested and Numerically-Integrated Ordered-Sequential (Ping-Pong) Rate Expression, <i>Agricultural Research Service</i> , July 29, 1996, 1 p.	

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